

In the Claims:

Amend claims 1, 2, 4, and 5.

Delete claim 3.

Add new claims 23-31.

1. (amended)

An expansion bolt comprising:

a cable;

an inner chock connected to an end of said cable having at least a first outer ramping surface and a second outer ramping surface;

at least two outer chocks having respective inner ramping surfaces complementarily corresponding to said first and second outer ramping surfaces respectively, said outer chocks being adapted for relative movement along a longitudinal axis of said cable with respect to said inner chock over a predetermined range wherein, in a first direction of said movement, the respective inner and outer ramping surfaces slidably cooperate to radially expand the expansion bolt and, in an opposite direction of said movement, the respective inner and outer ramping surfaces permit radial contraction of the expansion bolt, said outer chocks further comprising outer surfaces of hemi-cylindrical configuration;

a compression spring for biasing said outer chocks with respect to said inner chock in said first direction; and

a cleaning bushing slidably received on said cable so as to make contact, at a distal-most position of said cleaning bushing, with a proximal face of said inner chock.

2. (amended)

The expansion bolt of claim 1, wherein said ~~outer chocks have respective~~ inner chock is substantially cylindrical frustoconical in shape. ~~outer surfaces for making contact with the interior surface of a round hole.~~

3. (cancelled)

4. (amended)

The expansion bolt of claim 3 1, further comprising a collar slidably received on said cable, said cleaning bushing being disposed between said collar and said inner chock, said compression spring bearing on said collar, said collar supporting said outer chocks via respective flexible control cables attached to said collar.

5. (amended)

The expansion bolt of claim 2 1, wherein said outer surfaces of said outer chocks each include respective slip-resistant gripping patterns for increasing the slip-resistance of said outer chocks with respect to the hole when the expansion bolt is inserted and expanded therein.

6. (original)

The expansion bolt of claim 5, further comprising a cleaning bushing slidably received on said cable so as to make contact, at a distal-most position of said cleaning bushing, with a proximal face of said inner chock.

7. (original)

The expansion bolt of claim 6, further comprising a collar slidably received on said cable, said cleaning bushing being disposed between said collar and said inner chock, said compression spring bearing on said collar, said collar supporting said outer chocks via respective flexible control cables attached to said collar.

8. (original)

The expansion bolt of claim 5, wherein said gripping patterns include a plurality of grooves and corresponding ridges.

9. (original)

The expansion bolt of claim 5, wherein about 50% of said outer surfaces includes raised portions and about 50% of said outer surfaces includes relatively depressed portions.

10. (original)

An expansion bolt, comprising:

a cable;  
an inner chock connected to an end of said cable having an outer ramping surface;  
and

at least one outer chock having an inner ramping surface complementarily corresponding to said outer ramping surface, said at least one outer chock being adapted for relative movement along a longitudinal axis of said cable with respect to said inner chock over a predetermined range wherein, in a first direction of said movement, said inner and outer ramping surfaces slidably cooperate to radially expand the expansion bolt and, in an opposite direction of said movement, said inner and outer ramping surfaces permit radial contraction of the expansion bolt, said at least one outer chock having a substantially cylindrical outer surface for making contact with the interior surface of a round hole, said outer surface including a slip-resistant gripping pattern for increasing the slip-resistance of said at least one outer chock with respect to the hole when the expansion bolt is inserted and expanded therein.

11. (original)

The expansion bolt of claim 10, further comprising a cleaning bushing slidably received on said cable so as to make contact, at a distal-most position of said cleaning bushing, with a proximal face of said inner chock.

12. (original)

The expansion bolt of claim 11, further comprising a collar slidably received on said cable, said cleaning bushing being disposed between said collar and said inner chock, said compression spring bearing on said collar, said collar supporting said outer chocks via respective flexible control cables attached to said collar.

13. (original)

The expansion bolt of claim 10, wherein said gripping patterns include a plurality of grooves and corresponding ridges.

14. (original)

The expansion bolt of claim 10, wherein about 50% of said outer surface includes raised portions and about 50% of said outer surface includes relatively depressed portions.

15. (original)

An expansion bolt comprising:

a cable;

an inner chock connected to an end of said cable having at least a first outer ramping surface;

at least one outer chock having an inner ramping surface complementarily corresponding to said first outer ramping surface, said at least one outer chock being adapted for relative movement along a longitudinal axis of said cable with respect to said

inner chock over a predetermined range wherein, in a first direction of said movement, said inner and first outer ramping surfaces slidably cooperate to radially expand the expansion bolt and, in an opposite direction of said movement, said inner and first outer ramping surfaces permit radial contraction of the expansion bolt; and

a cleaning bushing slidably received on said cable so as to make contact, at a distal-most position of said cleaning bushing, with a proximal face of said inner chock.

16. (original)

The expansion bolt of claim 15, wherein said at least one outer chock has a substantially cylindrical outer surface for making contact with the interior surface of a round hole, said outer surface of said at least one outer chock including a slip-resistant gripping pattern for increasing the slip-resistance of said at least one outer chock with respect to the hole when the expansion bolt is inserted and expanded therein.

17. (original)

The expansion bolt of claim 16, wherein said gripping pattern includes a plurality of grooves and corresponding ridges.

18. (original)

The expansion bolt of claim 16, wherein about 50% of said outer surface of said at least one outer chock includes raised portions and about 50% of said outer surface of said at least one outer chock includes relatively depressed portions.

19. (original)

The expansion bolt of claim 15, wherein said inner chock has a second outer ramping surface, further comprising at least one additional outer chock having an inner ramping surface complementarily corresponding to said second outer ramping surface, said at least one additional outer chock being adapted for relative movement along a longitudinal axis of said cable with respect to said inner chock over a predetermined range wherein, in a first direction of said movement, said inner ramping surface of said at least one additional outer chock and said second outer ramping surface slidably cooperate to radially expand the expansion bolt and, in an opposite direction of said movement, said inner ramping surface of said at least one additional outer chock and said second outer ramping surface cooperate to permit radial contraction of the expansion bolt.

20. (original)

The expansion bolt of claim 19, wherein said at least one outer chock and said at least one additional outer chock have respective substantially cylindrical outer surfaces for making contact with the interior surface of a round hole, said outer surfaces including respective slip-resistant gripping patterns for increasing the slip-resistance of said at least one outer chock and said at least one additional outer chock with respect to the hole when the expansion bolt is inserted and expanded therein.

21. (original)

The expansion bolt of claim 20, wherein said gripping patterns each include a plurality of grooves and corresponding ridges.

22. (original)

The expansion bolt of claim 20, wherein about 50% of said outer surfaces of said at least one outer chock and said at least one additional outer chock include raised portions and about 50% of said outer surfaces of said at least one outer chock and said at least one additional outer chock include relatively depressed portions.

23. (new)

An expansion bolt comprising:

a cable, that defines a longitudinal axis;

an inner chock connected to an end of said cable, said inner chock having a cross-section identical to the major longitudinal cross-section of a frustum in at least one plane that transects said inner chock that further includes both said longitudinal axis passing through said inner chock and a plane including lines of maximal cross-sectional width of said inner chock, said inner chock further providing outer ramping surfaces on its exterior sides congruent with the lateral edges of said cross-section of a frustum, further providing that no portion of said inner chock extends laterally beyond said lateral edges of said cross-section of a frustum, said cable being connected to said inner chock at the smaller base thereof;

at least two outer chocks having respective inner ramping surfaces complementarily corresponding to said outer ramping surfaces of said inner chock, said outer chocks being adapted for relative movement along said longitudinal axis of said



cable with respect to said inner chock over a predetermined range wherein, in a first direction of said movement, the respective inner and outer ramping surfaces slidably cooperate to radially expand the expansion bolt and, in an opposite direction of said movement, the respective inner and outer ramping surfaces permit radial contraction of the expansion bolt; and

a compression spring for biasing said outer chocks with respect to said inner chock in said first direction.

24. (new)

The expansion bolt of claim 23 wherein said inner chock is substantially frustoconical in shape.

25. (new)

The expansion bolt of claim 23, further comprising a cleaning bushing slidably received on said cable so as to make contact, at a distal-most position of said cleaning bushing, with a proximal face of said inner chock.

26. (new)

The expansion bolt of claim 25, further comprising a collar slidably received on said cable, said cleaning bushing being disposed between said collar and said inner chock, said compression spring bearing on said collar, said collar supporting said outer chocks via respective flexible control cables attached to said collar.

27. (new)

The expansion bolt of claim 23, wherein the outer surfaces of said outer chocks each include respective slip-resistant gripping patterns for increasing the slip-resistance of said outer chocks with respect to the hole when the expansion bolt is inserted and expanded therein.

28. (new)

The expansion bolt of claim 27, further comprising a cleaning bushing slidably received on said cable so as to make contact, at a distal-most position of said cleaning bushing, with a proximal face of said inner chock.

29. (new)

The expansion bolt of claim 28, further comprising a collar slidably received on said cable, said cleaning bushing being disposed between said collar and said inner chock, said compression spring bearing on said collar, said collar supporting said outer chocks via respective flexible control cables attached to said collar.

30. (new)

The expansion bolt of claim 27, wherein said gripping patterns include a plurality of grooves and corresponding ridges.

31. (new)

The expansion bolt of claim 27, wherein about 50% of said outer surfaces includes raised portions and about 50% of said outer surfaces includes relatively depressed portions.

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